

Attorney Docket No.: **DEX-0176**
Inventors: **Ali et al.**
Serial No.: **09/787,844**
Filing Date: **August 6, 2001**
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This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of the claims:

Claims 1-7 (canceled)

Claim 8 (currently amended): A method of imaging a gynecologic cancer comprising contacting a cell with a polyclonal or monoclonal antibody which specifically binds ~~Pre104~~ the native protein encoded by SEQ ID NO:1 and detecting bound polyclonal or monoclonal antibody indicative of the presence of a gynecologic cancer.

Claim 9 (previously presented): The method of claim 8 wherein said polyclonal or monoclonal antibody is labeled with a fluorescent reagent, an enzyme, a paramagnetic ion or a radioisotope.

Claim 10-12 (canceled)

Claim 13 (currently amended): The method of claim 8 wherein ~~Pre104~~ the native protein comprises ~~a 273-amino acid active protease domain from~~ amino acids 14 to 327 of SEQ ID NO: 2.

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Claim 14 (currently amended): A method of delivering a derivatized polyclonal or monoclonal antibody to a gynecologic cancer cell comprising administering to the cell a derivatized antibody which specifically binds ~~Pre104~~ the native protein encoded by SEQ ID NO:1.

Claim 15 (previously presented): The method of claim 14 wherein said polyclonal or monoclonal antibody is labeled with a fluorescent reagent, an enzyme, a paramagnetic ion or a radioisotope.

Claim 16 (canceled)

Claim 17 (currently amended): The method of claim 14 wherein ~~Pre104~~ the native protein comprises a ~~273 amino acid active protease domain from~~ amino acids 14 to 327 of SEQ ID NO: 2.

Claim 18 (currently amended): A method of delivering a derivatized polyclonal or monoclonal antibody to a gynecologic tumor comprising administering to the tumor a

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derivatized polyclonal or monoclonal antibody which
specifically binds ~~Pre104~~ the native protein encoded by SEQ
ID NO:1.

Claim 19 (previously presented): The method of claim 18
wherein said polyclonal or monoclonal antibody is labeled
with a fluorescent reagent, an enzyme, a paramagnetic ion
or a radioisotope.

Claim 20 (canceled)

Claim 21 (currently amended): The method of claim 18
wherein ~~Pre104~~ the native protein comprises a ~~273-amino~~
~~acid active protease domain from~~ amino acids 14 to 327 of
SEQ ID NO: 2.

Claim 22 (canceled)

Claim 23 (currently amended): The method of claim 8 wherein
~~Pre104 contains an~~ the polyclonal or monoclonal antibody
binds to the active protease domain of the native protein
encoded by SEQ ID NO:1.

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Claim 24 (previously presented): The method of claim 23 wherein the active protease domain consists of 273 amino acids.

Claim 25 (canceled)

Claim 26 (currently amended): The method of ~~claim 25~~ claim 14 wherein ~~Pro104 contains an~~ the polyclonal or monoclonal antibody binds to the active protease domain of the native protein encoded by SEQ ID NO:1.

Claim 27 (previously presented): The method of claim 26 wherein the active protease domain consists of 273 amino acids.

Claim 28 (previously presented): The method of claim 8 wherein the gynecologic cancer is selected from the group consisting of ovarian, cervical, endometrial, uterine and breast cancer.

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Claim 29 (previously presented): The method of claim 8 wherein the gynecologic cancer is ovarian cancer.

Claim 30 (previously presented): The method of claim 8 wherein the gynecologic cancer is cancer of the cervix.

Claim 31 (previously presented): The method of claim 8 wherein the gynecologic cancer is cancer of the endometrium.

Claim 32 (previously presented): The method of claim 8 wherein the gynecologic cancer is cancer of the uterus.

Claim 33 (previously presented): The method of claim 8 wherein the gynecologic cancer is breast cancer.

Claim 34 (new): The method of claim 14 wherein the gynecologic cancer is selected from the group consisting of ovarian, cervical, endometrial, uterine and breast cancer.

Claim 35 (new): The method of claim 14 wherein the gynecologic cancer is ovarian cancer.

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Claim 36 (new): The method of claim 14 wherein the
gynecologic cancer is cancer of the cervix.

Claim 37 (new): The method of claim 14 wherein the
gynecologic cancer is cancer of the endometrium.

Claim 38 (new): The method of claim 14 wherein the
gynecologic cancer is cancer of the uterus.

Claim 39 (new): The method of claim 14 wherein the
gynecologic cancer is breast cancer.

Claim 40 (new): The method of claim 18 wherein the
gynecologic cancer is selected from the group consisting of
ovarian, cervical, endometrial, uterine and breast cancer.

Claim 41 (new): The method of claim 18 wherein the
gynecologic cancer is ovarian cancer.

Claim 42 (new): The method of claim 18 wherein the
gynecologic cancer is cancer of the cervix.

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Claim 43 (new): The method of claim 18 wherein the
gynecologic cancer is cancer of the endometrium.

Claim 44 (new): The method of claim 18 wherein the
gynecologic cancer is cancer of the uterus.

Claim 45 (new): The method of claim 18 wherein the
gynecologic cancer is breast cancer.